AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) Use of a ceramic coating having a thickness of less than 50 μm on a metallic component for preventing thermally influenced ~~wrinkling (rumpling)~~ deformation in metallic components.

2. (Currently Amended) A metallic component ~~of rotors and stators of turbo engines~~ for use under thermal and mechanical stress which leads to a risk of thermally influenced ~~wrinkling (rumpling)~~ deformation, having a coating of ceramic material which covers its surface at least partially, characterized in that the thickness of the coating is ~~less than~~ up to 30 μm ~~and at least 5 μm~~.

3. (Original) The metallic component according to claim 2, characterized in that the coated metallic surface already has an oxidic coating.

4. (Currently Amended) The metallic component according to ~~either of claims 2 or 3~~ claim 2, characterized in that the coated surface consists of an aluminum-containing metallic oxidation protection coating.

5. (Currently Amended) The metallic component according to ~~any of claims 2 to 4~~ claim 2, characterized in that the thickness of the ceramic coating is less than 20 μm.

6. (Currently Amended) The metallic component according to ~~any of claims 2 to 5~~ claim 2, characterized in that the ceramic coating consists of an oxidic ceramic material.

7. (Currently Amended) The metallic component according to ~~any of claims 2 to 6~~ claim 2, characterized in that the thickness of the ceramic coating is at least 10 μm.

8. (Currently Amended) A process for the preparation of a metallic component ~~according to any of claims 2 to 7~~, characterized in that its surface is provided with a thin ceramic coating having a thickness of ~~less than~~ up to 30 μm ~~and at least 5 μm~~.

9. (Original) The process according to claim 8, characterized in that said coating is produced by electron beam physical vapor deposition (EB-PVD) or air plasma spraying (APS).

10. (Original) The process according to claim 8, characterized in that said coating is produced by chemical vapor deposition (CVD), electrophoresis followed by microwave sintering, or dip coating with ceramic precursors followed by sintering.